BIOMEDICAL ENGINEERING CURRICULUM

(students entering Fall 07- Fall 08)

Name: Year Entered: ID#

Focus Area [Track]: Biomechanics Date:

Minimum of **50** credits of engineering courses and a total of **132** credits are required for the BME degree.

BME Core Courses required of all students	semester	credits	
FED 101 Fundamentals of Engrg Design	____	2	
BME 105/106 (ST: Survey of Physiology)	____	3#	
BME 301 Electrical Found. of Biomed Eng	____	3	
BME 302 Mechanical Found. of Biomed Eng	____	3	
BME 303 Biol/Chem Found of Biomed Eng	____	3#	
BME 310 Biomedical Computing	____	3	
BME 381 Engineering Models in Physiology I	____	**3**	
BME 382 Engineering Models in Physiology II	____	**3**	*** choose two**
BME 383 Engineering Physiology Lab	____	**3**	
BME 495 Capstone Design I	____	3	
BME 496 Capstone Design II	____	3	

BME Core credits earned ___/29 Engrg credits earned___/23

Math/Science/GUR core required of all students

Math 111[1] ____	Math 112 _____	Math 211 _____
Math 222 ____	Math 279 or 225* ____	Math 337 _____
CIS 101 ____	Phys 111[2,3] ____	Phys 121[3] _____
Chem 125[4] ____	Chem 126[4] ____	Chem 124 _____
Chem 243 ____	Hum/Hist[5] _____	Hum/Hist[5] ____
Hum/Hist[5] _____	HSS/SS/STS[6] _____	HSS/SS/STS[6] _____
Mgmt 390 ___	Lit/Phil/Hist/STS upper[7] _____	Open Hum upper[8] _____
CapstoneSeminar[9] _____	Phys Ed 1_____	Phys Ed 2____

M/S/GUR credits earned ___/69

\# - Non-engineering

* - For students entering Fall 07 only

1 – Math courses below 111 do not count toward the degree.

2 - Physics 105 and Physics 106 are equivalent to Physics 111. Physics 105 is additive credit.

3 - Physics 111 and Physics 121 are taken with Physics xxxA[lab] and xxxW[workshop].

4 - Chem 121, Chem 122 and Chem 123 are equivalent to Chem 125 and Chem 126. Chem 121 is additive credit.

5 – Three 100/200 level courses, including two courses in communication (Hum) and one in cultural history (Hist)

6 – Two 100/200 level courses in economics, environmental studies, political science, psychology, sociology, STS

7 - One 300-level course in literature; history; philosophy; or STS.

8 – One upper division (300/400) course in English, theater, literature, history, philosophy, or STS

9 - HSS 403-409 or HSS 491H-499H for Honors Students.

Track Requirements: [**34** credit minimum; **27** engrg credit minimum; courses are 3-credits, unless noted];

Mech 320_____	BME 451_____	Engrg Elective:_____ _____	Elective:_____
Mech 236 (2cr)____	BME 452_____	Engrg Elective:_____	Elective:_____
BME 351_____	BME 478____		
BME 420_____	BME 384_____		

Track credits earned /34 Engrg credits earned /27

Total Degree credits /132 Total Engrg credits /50

_____ _____

Adviser Date Student Date (rev: 7/08)